

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

Effective July 1, 2011

WIN-102

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **June 2012**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

Series 2645 Vinyl Double Hung Windows, Replacement Construction, Non-impact Resistant,
manufactured by

Window Mart, Inc.
P.O. Box 570
5760 Albert Pike
Royal, Arkansas 71968
Telephone: (888) 283-6278

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Series 2645 window is a vinyl double hung replacement window. The double hung replacement windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for vinyl double hung replacement windows based on the following tested construction:

General Description:

System	Description	Label Rating	Certification Authorization Report (CAR) number
1	Series 2645 Vinyl Double Hung Windows; (XX)	H-R35 44 x 63	588-138

Product Dimensions:

System	Overall Size	Upper Sash Size	Lower Sash Size
1	44" x 63"	39 $\frac{1}{4}$ " x 30 $\frac{1}{4}$ "	40 $\frac{1}{4}$ " x 30 $\frac{1}{4}$ "

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: Both sashes contain insulating glass units. The sealed insulating glass units are comprised of two single-strength ($\frac{3}{32}$ ") annealed glass lites separated by a silicone foam spacer system. The glass thickness and type used in the insulating glass unit of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass units are set on double-sided adhesive foam tape. A rigid vinyl snap-in glazing bead secures the insulating glass units in place.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC). The frame corners are mitered and welded construction. The sill/jamb intersections are mechanically fastened with screws.

Sash Construction: The sash members are manufactured from extruded vinyl (PVC). The sash corners are mitered and welded construction.

Reinforcement: None.

Hardware:

- Metal cam locks; Two (2) required; Located on the sash top rail.
- Keepers; Two (2) required; Located opposite the cam locks on the keeper rail.
- Plastic tilt latches; Four (4) required; Located on the top rail and the lock rail.
- Metal pivot bar; Four (4) required; Located on the bottom rail and the keeper rail.
- Block and tackle balance; Four (4) required; Located in the jamb, two (2) at each side.

Product Identification: A certification program label (Keystone Certification Program) will be affixed to the window. The certification program label includes the product name; performance characteristics; the approved inspection agency (Keystone); and the following applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

Label Identification:

System	Model	Certification Authorization Report (CAR) number
1	2645 Double Hung	588-138

LIMITATIONS

Design pressures:

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	44	63	± 35

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when installed in areas where windborne debris is required.

Acceptance of Smaller Assemblies: Window assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be installed in accordance with the manufacturer's installation instructions. Detailed drawings and installation instructions are available from the product manufacturer.

Installation: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the window frame side jambs with minimum No. 8 screws. The fasteners shall be located approximately 5 inches from the top and bottom of each side jamb. In addition, wood stops (3" x 1" x 1 ½") shall be located at the mid span of each member at the interior and at the exterior. Each wood stop is secured to the wall framing with two (2) No. 8 x 1 ½" screws. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC); the International Building Code (IBC); and the Texas Revisions.